Application No. 09/977,419
Applicant: David R. Beering Filed: October 15, 2001 Title: HIGH PERFORMANCE ECL-TO-ATM PROTOCOL NETWORK **GATEWAY** Attorney: Thomas E. Hill Case No. 1 REPLACEMENT SHEET OCT 1 7 2005 1/10 TRADEMAR Average 270 ms one-way delay NASA Johnson WSC → JSC 28 32 Domestic Satellite Commercial Fiber Optic Ground Network Providers NASA Marshall Current System Block Diagram DOMSAT Modem 50 Mb/s High Rate Switch SONET Mux TDRSS Modem Air Gap 50 Mb/s <u>\$</u> 20 22 3 Mb/s

Ku-SA Channel

225 MHz wide (Return Link)

Ku-SA Channel (Forward Link) 50 MHz wide WSC

(PRIOR ART)

F16.1



**TDRS** 

Next Step

Filed: October 15, 2001

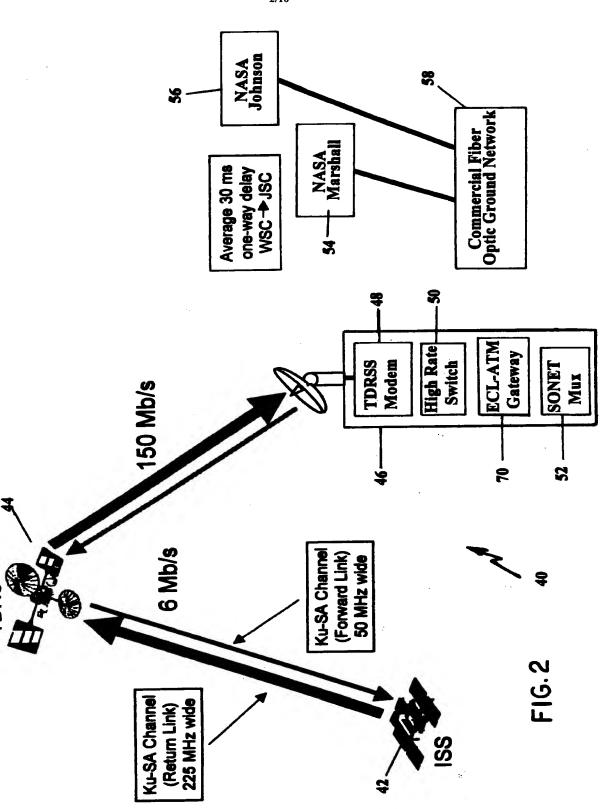
Application No. 09/977,419 Filed: October 15, 200 Applicant: David R. Beering
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**GATEWAY** 

Attorney: Thomas E. Hill

Case No. 1

# REPLACEMENT SHEET



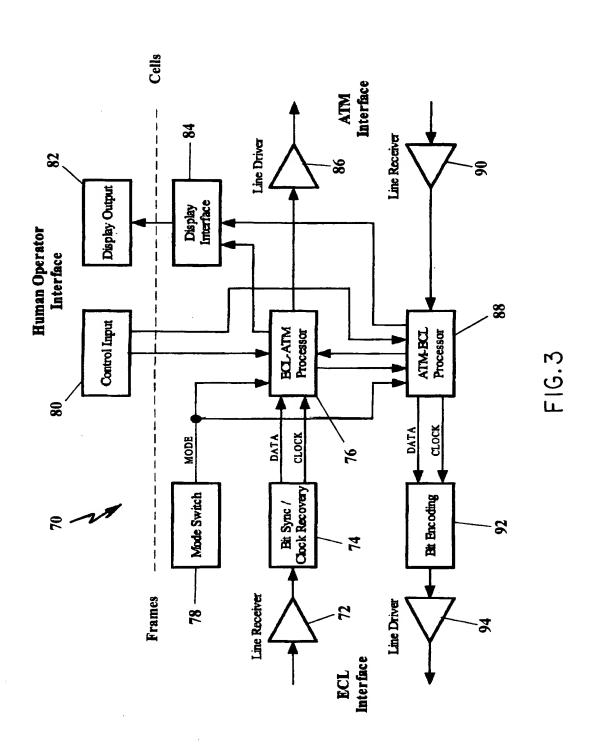
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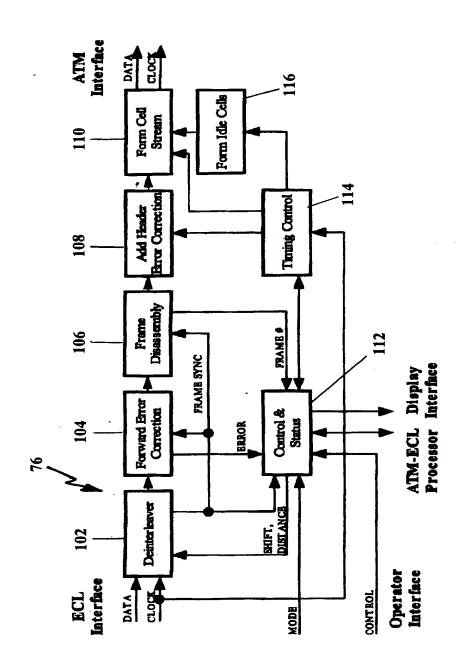
**GATEWAY** 

OCT 17 2005

Attorney: Thomas E. Hill

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**GATEWAY** 

OCT 17 2005

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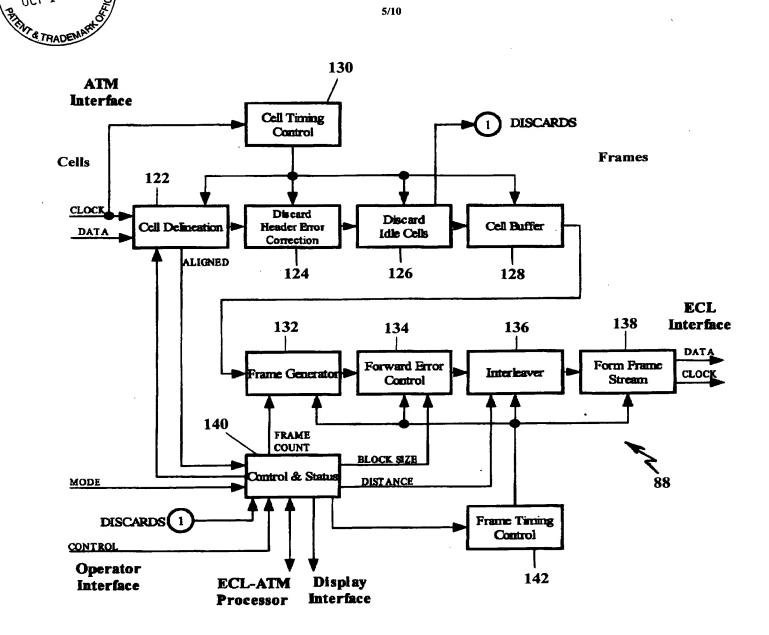


FIG.5

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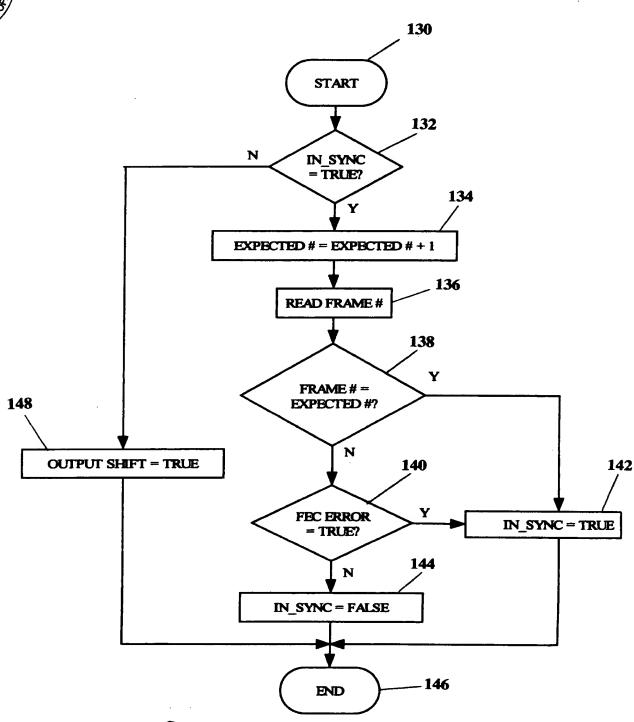


FIG.6

Application No. 09/977,419 Applicant: David R. Beering

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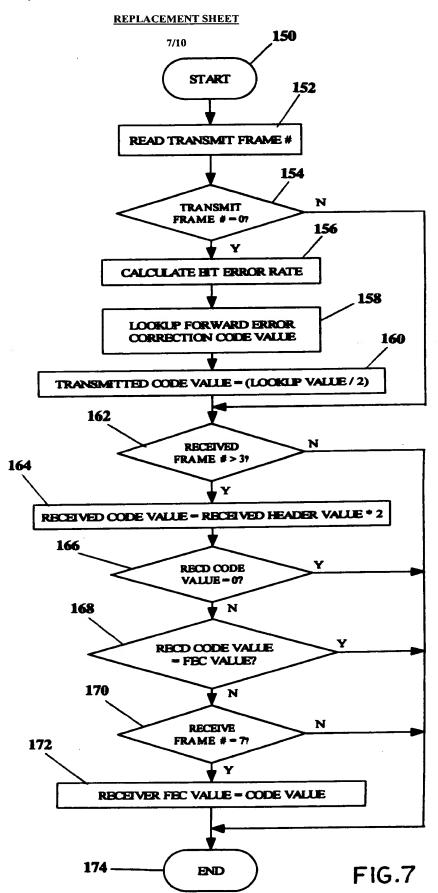
Title: HIGH PERFORMANCE ECL-TO-ATM PROTOCOL NETWORK

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